

Abstract

A solid-state-laser pumping module includes a plate-shaped solid state laser medium 2, a reflecting member 3 disposed on a surface of the solid state laser medium 2 which is opposite to a laser light incidence surface of the solid state laser medium, for reflecting laser light 6 which is incident upon the solid state laser medium via the light incidence surface and which propagates through the solid state laser medium 2, and a heat sink 5 for removing heat which is transferred thereto, via the reflecting member 3, from the solid state laser medium 2, the laser light incidence surface of the solid state laser medium 2 having a size of a in a direction perpendicular to a plane defined by both the optical axis of the laser light 6 and the normal 7 to the laser light incidence surface of the solid state laser medium 2, and a size of b in a longitudinal direction perpendicular to the above-mentioned direction and the normal 7, the sizes having a relationship given by $b=a/\cos\theta$, where θ is an incidence angle at which the laser light 6 is incident upon the laser light incidence surface.